

What is claimed is:

1. An open circuit hydrostatic transmission comprising:
a pump;
5 an orifice fluidly connected to the pump; and
a two-position three-way logic valve having a first and
second position fluidly connected to the orifice;
2. The open circuit hydrostatic transmission of claim 1
10 further comprising a remote pressure compensation relief
valve adapted to receive a load sense signal and fluidly
connected to the orifice and to the two-position three-way
logic valve when the two-position three-way logic valve is
in the first position.
- 15 3. The open circuit hydrostatic transmission of claim 2
wherein the remote pressure compensation relief valve is not
fluidly connected to the orifice when the two-position
three-way logic valve is in the second position.
- 20 4. The open circuit hydrostatic transmission of claim 3
wherein a load sense signal defeats the remote pressure
compensation relief valve when the two-position three-way
logic valve is in the second position.
- 25 5. The open circuit hydrostatic transmission of claim 3
further comprising a pressure compensator spool valve having
a spool setting pressure fluidly connected to the pump; and
a pressure limiting valve having a load sense spool setting
30 pressure fluidly connected to the pressure compensator spool
valve and fluidly connected to the remote pressure
compensation relief valve.

6. The open circuit hydrostatic transmission of claim 5 wherein the pump has a pressure below the compensator spool setting pressure and above the load sense spool setting
5 pressure.

7. An open circuit hydrostatic transmission comprising:
a pump;
an orifice fluidly connected to the pump;
10 a two-position three-way logic valve having a first and second position fluidly connected to the orifice and adapted to receive a load sensing signal;
said two-position three-way logic valve adapted to be in the first position when the load sensing signal is zero and
15 the second position when the load sensing signal is above zero; and
a remote pressure compensation relief valve adapted to receive a load sensing signal fluidly connected to the orifice when the two-position three-way logic valve is
20 in the first position and disconnected from the orifice when the two-position three-way logic valve is in the second position.

8. The open circuit hydrostatic transmission of claim 7 wherein a load sensing signal defeats the remote pressure compensation relief valve when the two-position three-way logic valve is in the second position.

9. The open circuit hydrostatic transmission of claim 7 further comprising a pressure compensator spool valve having
30 a spool setting pressure fluidly connected to the pump; and a pressure limiting valve having a load sense spool setting

pressure fluidly connected to the pressure compensator spool valve and fluidly connected to the remote pressure compensation relief valve.